

This listing of claims will replace all prior versions, and listings of claims in the application.

Listing of Claims

Claims 1-3 (canceled)

4. (currently amended) A transgenic plant ~~comprising at least one additional~~ transformed with an exogenous copy of the *RAT5* gene of *Arabidopsis* to increase the transformation efficiency of the transgenic plant .

Claims 5-9 (canceled)

10. (currently amended) A host plant cell comprising an exogenous copy of a plant histone gene, wherein the expression of the plant histone gene increases transformation efficiency of the host plant cell, ~~transformed by at least one copy of a gene involved in T-cell integration~~.

11. (currently amended) The host plant cell of claim 10, wherein the plant histone gene encodes a histone H2A protein to increase the transformation efficiency of the host plant cell, ~~is capable of overexpressing histone to enhance plant transformation~~.

12. (currently amended) The host plant cell of claim 11, wherein the plant histone gene is the *RAT5* gene of *Arabidopsis*.

13. (new) A transgenic plant comprising an exogenous copy of a plant histone gene, wherein the expression of the plant histone gene increases transformation efficiency of the transgenic plant.

14. (new) The transgenic plant of claim 13, wherein the plant histone gene encodes a histone H2A protein to increase the transformation efficiency of the transgenic plant.